

1       **51511/DJB/M743**

ABSTRACT OF THE DISCLOSURE

5       Methods and apparatus are described for reading data from  
either a magnetic stripe, a chip or both a magnetic stripe and  
a chip located on a data card using a single swiping motion.  
An aspect of the methods and apparatus described is that  
movement of a data card is detected, restrained and/or  
prevented during exchange of information between the reader  
10      and any integrated circuits located on the data card. One  
embodiment includes guiding walls that form a channel and that  
are connected to a receiver having an interior surface, a  
magnetic reading head mounted on one of the guiding walls,  
electrical contacts located on the interior surface of the  
15      receiver and a latch extending at least partially across the  
channel formed by the guiding walls.

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